Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/08/2016 12:39 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126028	0	1.08	125831	1.03
Blue	F	SSC	125000	124517	-1	2.46	125323	2.13
Blue	E	FITC	17224	16817	-3	2.20	950	7.86
Blue	D	PE	22462	21942	-3	1.80	989	7.04
Blue	B	PerCP-Cy5-5	63940	63436	-1	2.48	1681	11.72
Blue	A	PE-Cy7	72480	71697	-2	3.50	945	22.26
Red	C	APC	63778	63190	-1	2.50	3573	7.47
Red	A	APC-Cy7	97254	98018	0	2.62	1943	7.29
Violet	B	V450	10730	10395	-4	3.26	640	7.18
Violet	A	V500	42147	40805	-4	2.90	2299	5.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20330	1.72	575	-45	N/A	N/A	Pass
Blue	F	SSC	62345	1.33	505	-22	N/A	N/A	Pass
Blue	E	FITC	103	31.30	512	-27	0.0320	42	Pass
Blue	D	PE	204	21.53	506	-26	0.2191	114	Pass
Blue	B	PerCP-Cy5-5	208	35.03	593	-21	0.0139	0	Pass
Blue	A	PE-Cy7	72	87.07	647	-26	0.0186	9	Pass
Red	C	APC	337	23.17	574	-10	0.0253	0	Pass
Red	A	APC-Cy7	123	33.75	557	-8	0.0058	522	Pass
Violet	B	V450	69	34.80	447	-27	0.0588	1321	Pass
Violet	A	V500	151	18.62	476	-27	0.0203	101	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-35.81	-35.58	0.71
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.15
Red	15.04	11.44 - 17.16	N/A	N/A	36.37	36.66	1.01

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 11248

Fluidics

FACSFlow Pressure: 3.00 Sample Pressure: 2.80
Spec.: 2.90 - 3.10

Comments